

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100424AR\
 Data File : FD048418.D
 Signal(s) : FID2B.ch
 Acq On : 04 Oct 2024 13:45
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/07/2024
 Supervised By :Ankita Jodhani 10/07/2024

Integration File: autoint1.e
 Quant Time: Oct 05 03:41:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.378	3448231	20.827 ug/ml
Spiked Amount 50.000		Recovery =	41.65%
6) S 2-Fluorobiphenyl (SURR)	8.228	2206715	21.279 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.56%
11) S ortho-Terphenyl (SURR)	11.263	3840587	20.873 ug/ml
Spiked Amount 50.000		Recovery =	41.75%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.198	3815857	21.773 ug/ml
2) T Naphthalene (C11.7)	5.718	3976752	21.299 ug/ml
3) T 2-Methylnaphthalene (...)	6.764	3978781	21.053 ug/ml
5) T Acenaphthylene (C15.06)	8.030	3926227	20.466 ug/ml
7) T Acenaphthene (C15.5)	8.324	3991234	21.100 ug/ml
8) T Flouorene (C16.55)	9.103	3815629	21.119 ug/ml
9) T Phenanthrene (C19.36)	10.490	3801228	21.448 ug/ml
10) T Anthracene (C19.43)	10.566	3172901	17.831 ug/ml
12) T Fluoranthene (C21.85)	12.294	3755352	20.762 ug/ml
13) T Pyrene (C20.8)	12.586	3675447	20.525 ug/ml
14) T Benzo[a]anthracene (C...	14.455	3310227	20.713 ug/ml
15) T Chrysene (C27.41)	14.497	3726721	19.980 ug/ml
16) T benzo[b]fluoranthene ...	16.002	3433698	20.618 ug/ml
17) T Bnezo[k]fluoranthene ...	16.033	3296941	19.423 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.377	3321095	20.320 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.740	2749320	20.901 ug/ml
20) T Dibenz[a,h]anthracene...	17.780	3455015	20.647 ug/ml
21) T Benzo[g,h,i]perylene ...	17.991	3296783	20.297 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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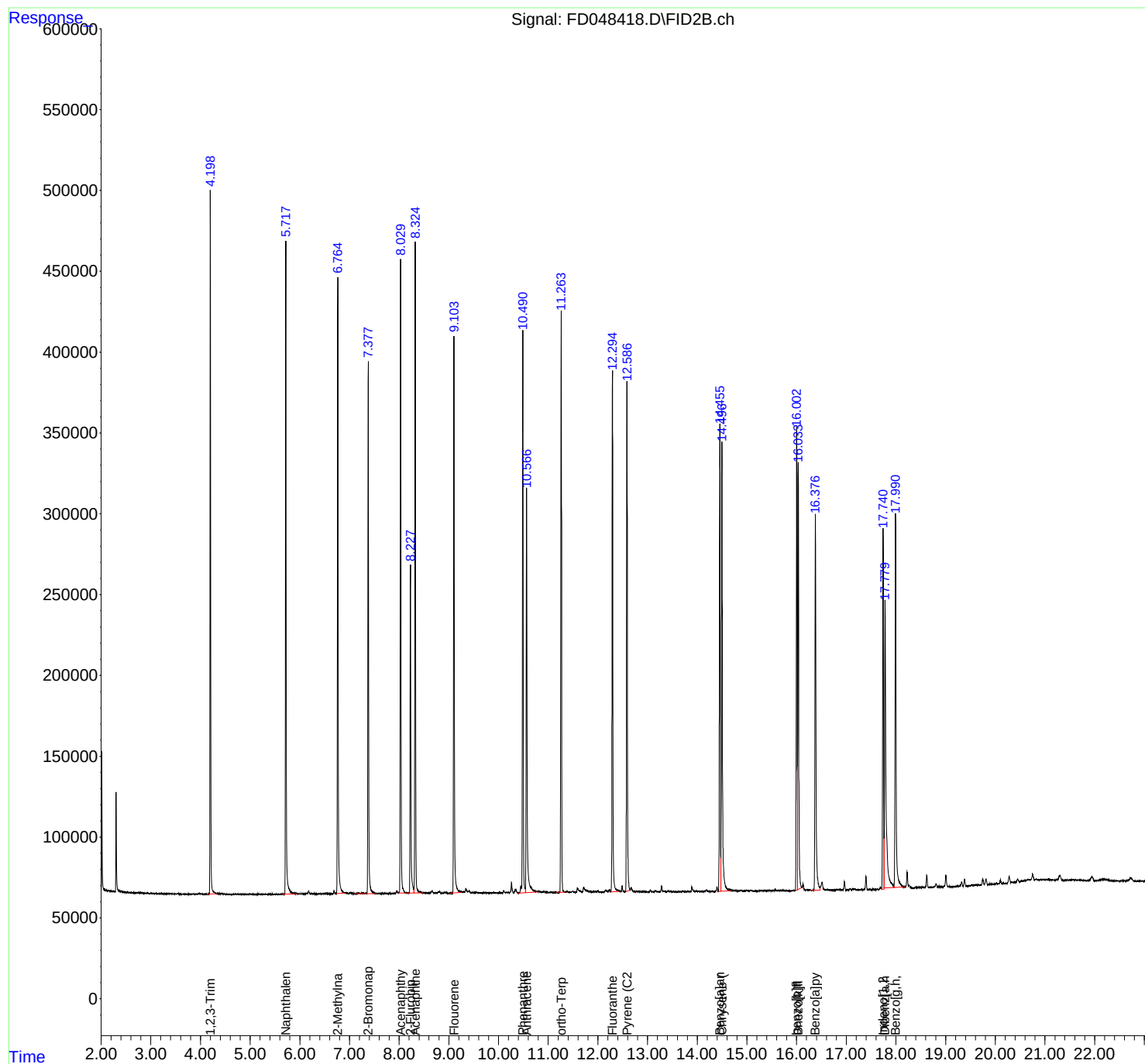
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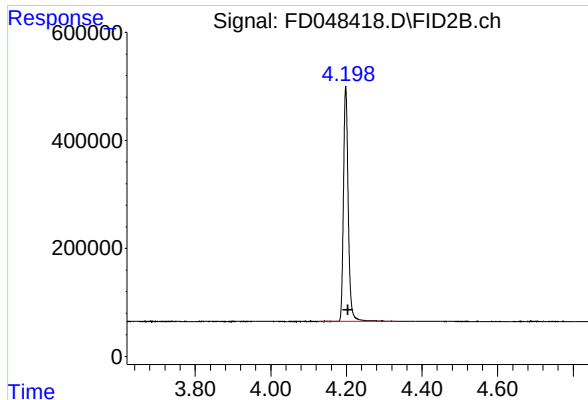
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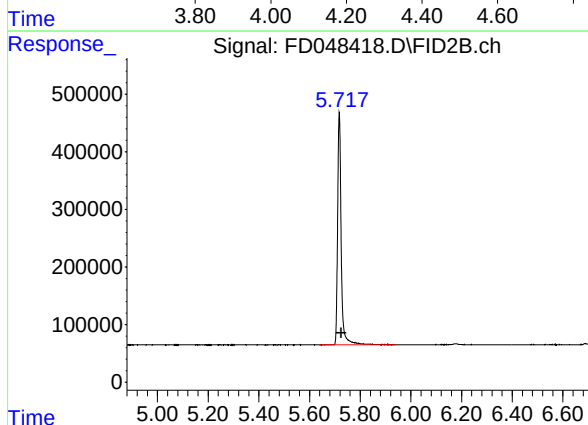
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.198 min
Delta R.T.: -0.006 min
Response: 3815857
Conc: 21.77 ug/ml

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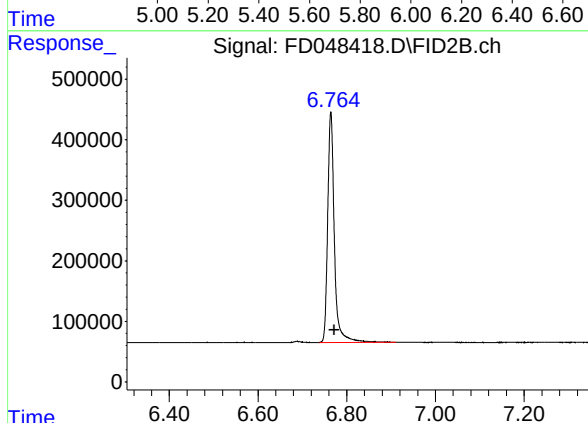
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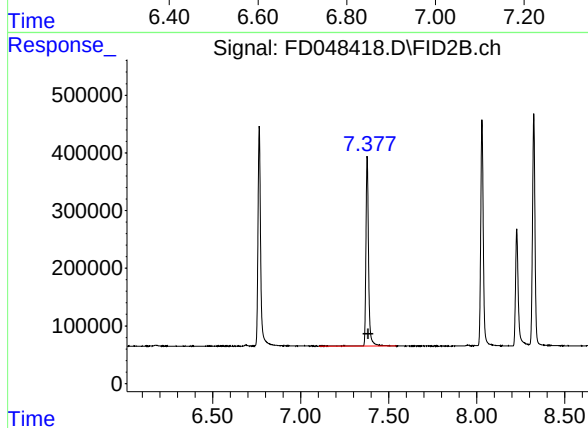
#2 Naphthalene (C11.7)

R.T.: 5.718 min
Delta R.T.: -0.007 min
Response: 3976752
Conc: 21.30 ug/ml



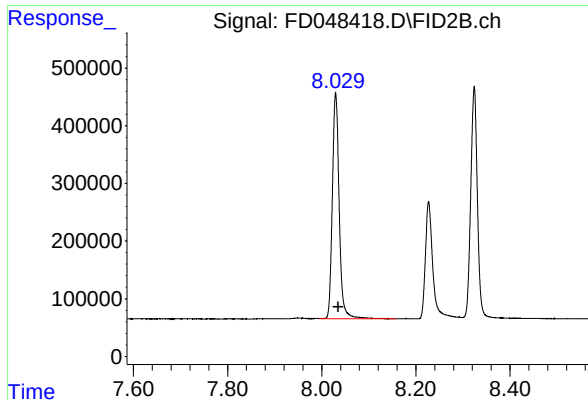
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.764 min
Delta R.T.: -0.008 min
Response: 3978781
Conc: 21.05 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.378 min
Delta R.T.: -0.006 min
Response: 3448231
Conc: 20.83 ug/ml



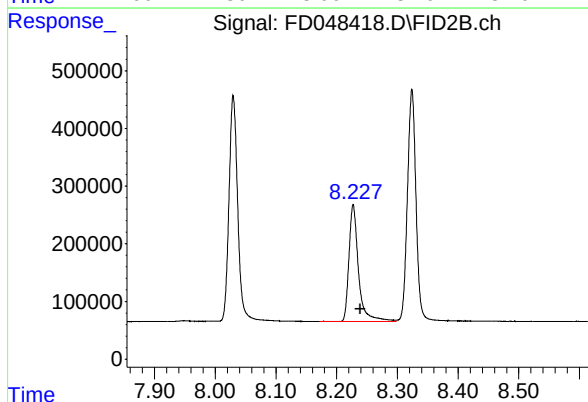
#5 Acenaphthylene (C15.06)

R.T.: 8.030 min
Delta R.T.: -0.005 min
Response: 3926227
Conc: 20.47 ug/ml

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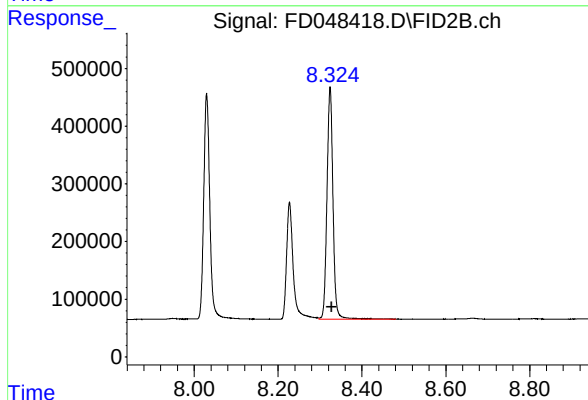
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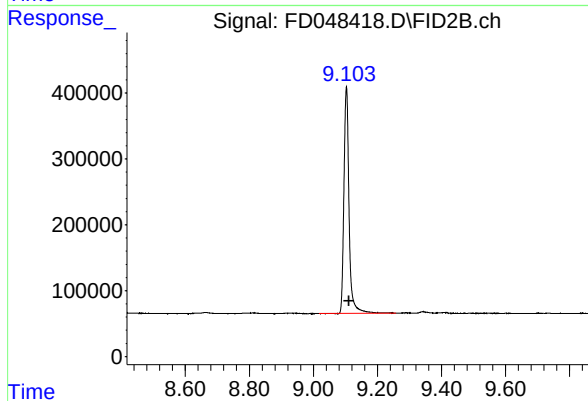
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.228 min
Delta R.T.: -0.011 min
Response: 2206715
Conc: 21.28 ug/ml



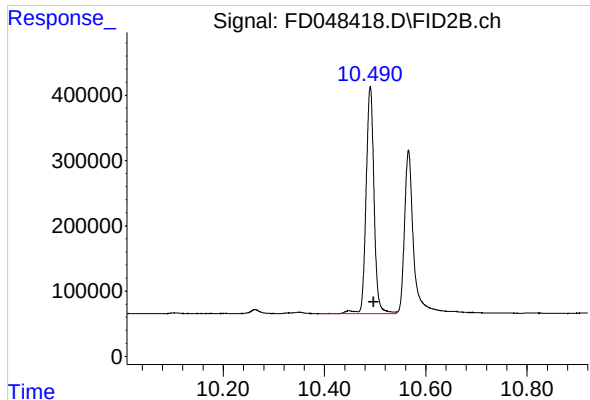
#7 Acenaphthene (C15.5)

R.T.: 8.324 min
Delta R.T.: -0.004 min
Response: 3991234
Conc: 21.10 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.103 min
Delta R.T.: -0.008 min
Response: 3815629
Conc: 21.12 ug/ml



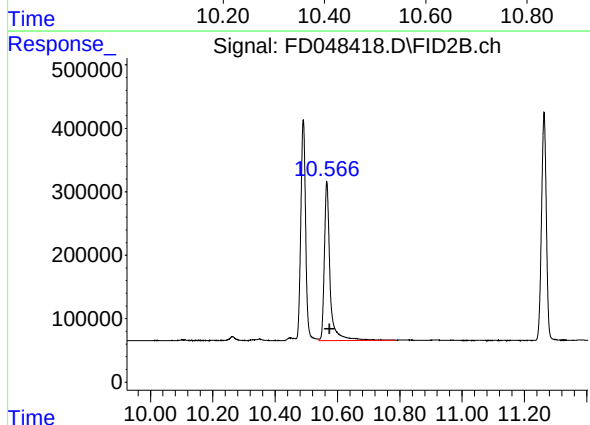
#9 Phenanthrene (C19.36)

R.T.: 10.490 min
Delta R.T.: -0.007 min
Response: 3801228
Conc: 21.45 ug/ml

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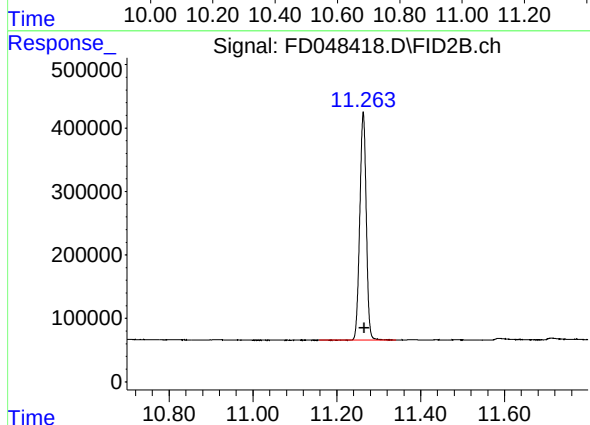
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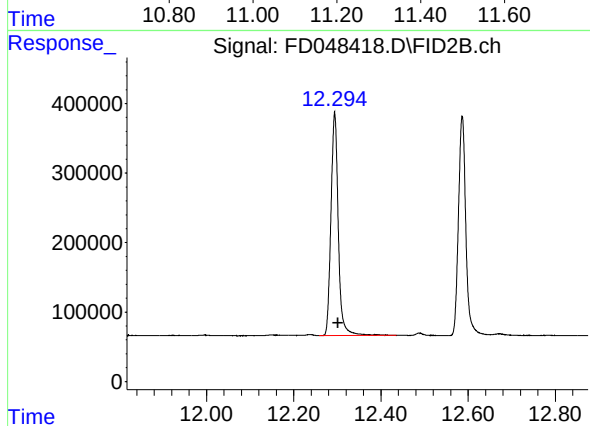
#10 Anthracene (C19.43)

R.T.: 10.566 min
Delta R.T.: -0.009 min
Response: 3172901
Conc: 17.83 ug/ml



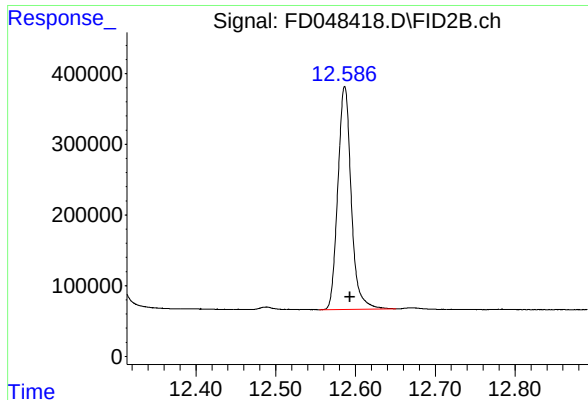
#11 ortho-Terphenyl (SURR)

R.T.: 11.263 min
Delta R.T.: -0.003 min
Response: 3840587
Conc: 20.87 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.294 min
Delta R.T.: -0.008 min
Response: 3755352
Conc: 20.76 ug/ml



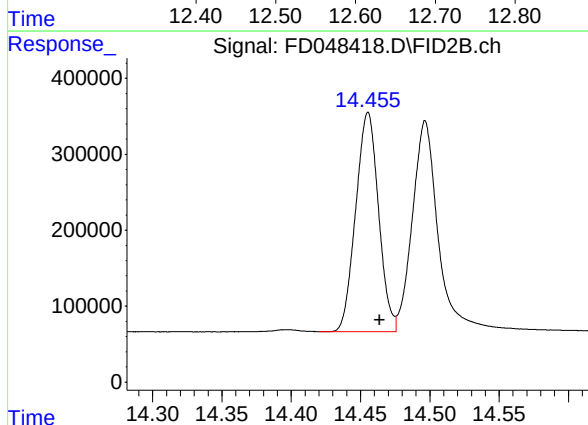
#13 Pyrene (C20.8)

R.T.: 12.586 min
Delta R.T.: -0.007 min
Response: 3675447
Conc: 20.53 ug/ml

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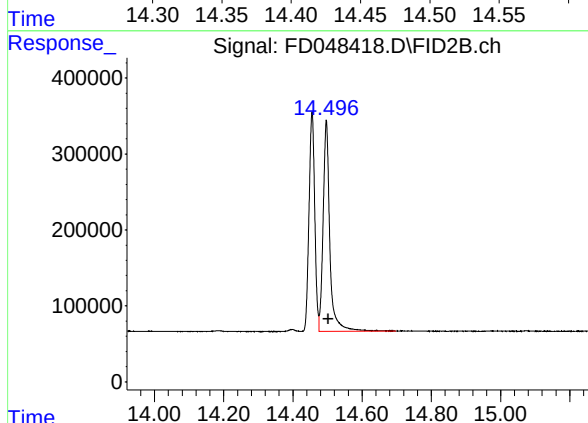
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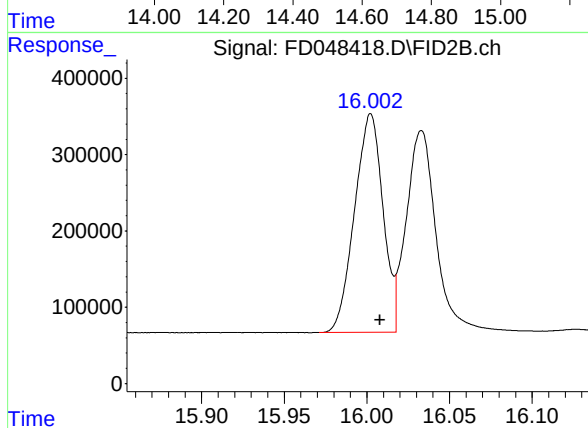
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.455 min
Delta R.T.: -0.009 min
Response: 3310227
Conc: 20.71 ug/ml



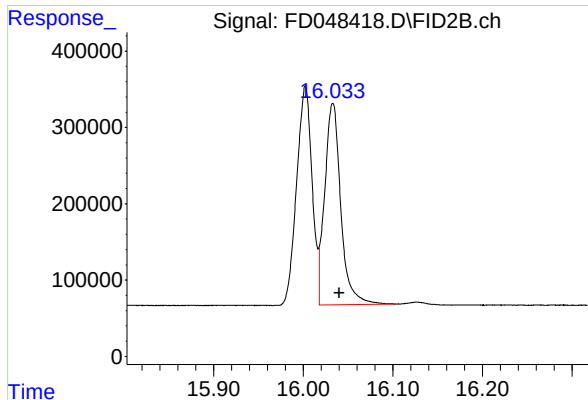
#15 Chrysene (C27.41)

R.T.: 14.497 min
Delta R.T.: -0.006 min
Response: 3726721
Conc: 19.98 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.002 min
Delta R.T.: -0.006 min
Response: 3433698
Conc: 20.62 ug/ml



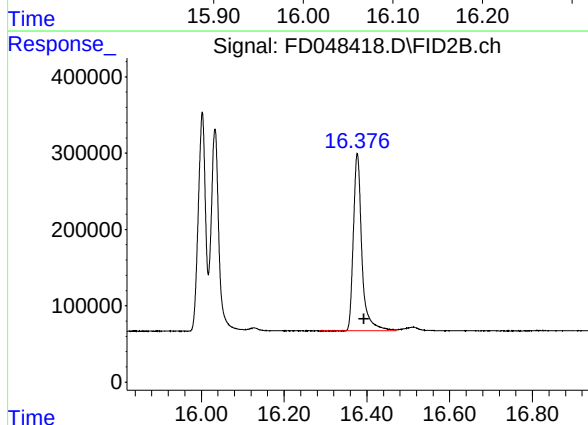
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.033 min
Delta R.T.: -0.008 min
Response: 3296941
Conc: 19.42 ug/ml

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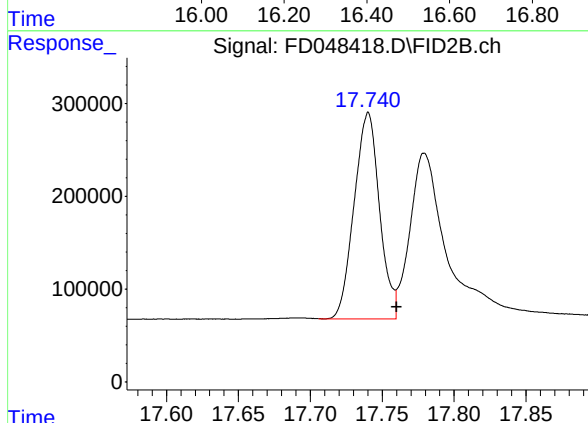
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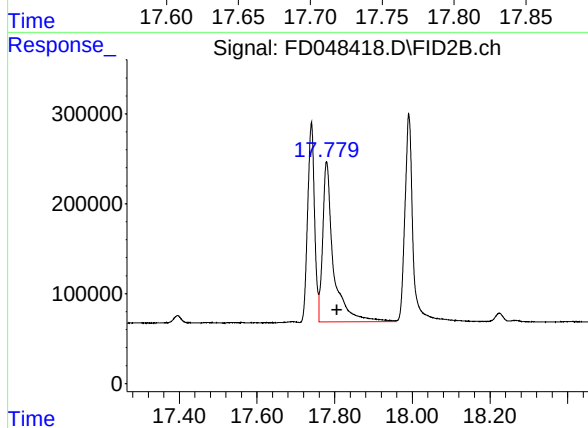
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.377 min
Delta R.T.: -0.016 min
Response: 3321095
Conc: 20.32 ug/ml



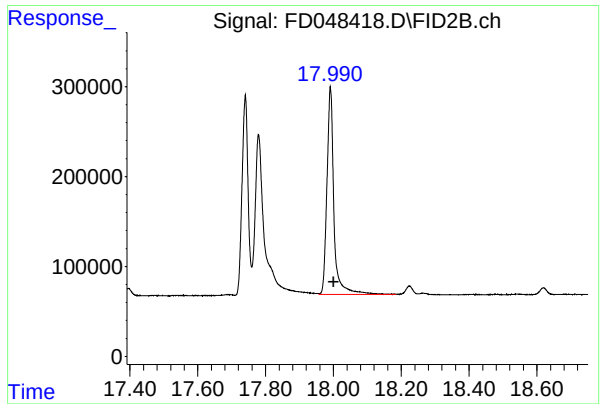
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.740 min
Delta R.T.: -0.020 min
Response: 2749320
Conc: 20.90 ug/ml m



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.780 min
Delta R.T.: -0.026 min
Response: 3455015
Conc: 20.65 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.991 min
Delta R.T.: -0.010 min
Response: 3296783
Conc: 20.30 ug/ml

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